

## ABSTRACT OF THE DISCLOSURE

A system of an embodiment of the invention is disclosed that includes a frame buffer memory for a serially addressable, non-direct memory access (DMA) display. The frame buffer memory has a number of pixels corresponding  
5 to a number of pixels of the non-DMA display. The system also includes a display data transfer circuit, to serially transfer the pixels of the frame buffer memory to the non-DMA display to update the non-DMA display.